

Time stamp

Host

Event type

Event ID

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EVENT EVENT TIME ID CLASS STAMP	1	4	1	-	4	-	4	-	2	-	4	4	1
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Event class

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Table: original events

step 510

Table: event after mapping

Table: mapping for event class

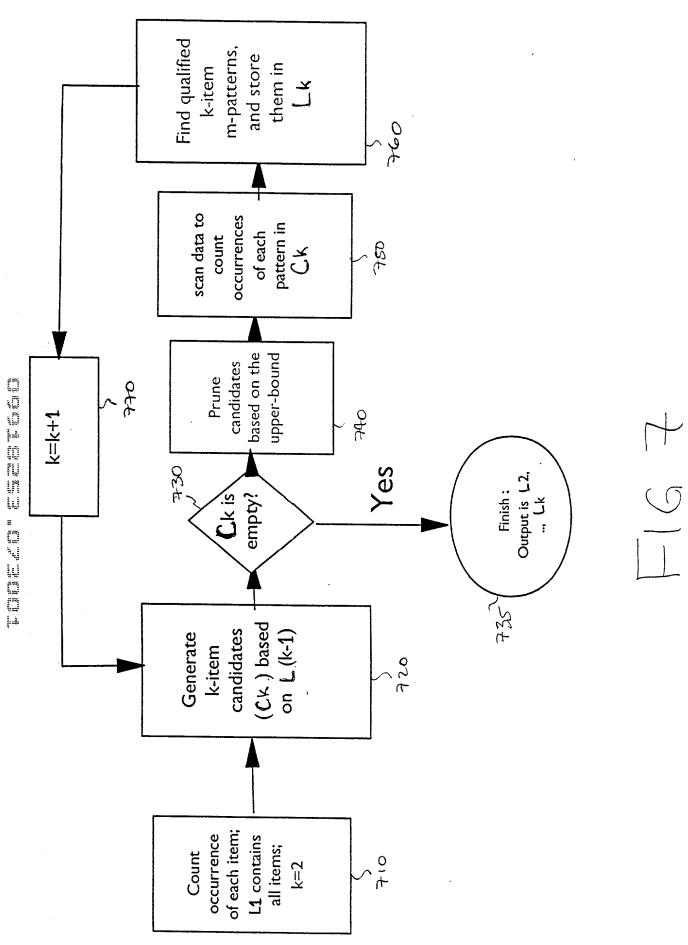
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■ Input: a set of candidates Ck, count information at all previous levels and a threshold minp

■ Output: a set of pruned candidates *C*/*k*

Algorithm

• For each pattern pat in Ck

For each item a in pat

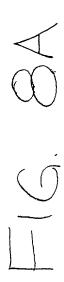
• Compute: prob = Count(pat-a)/Count(a);

• if prob < minp

-Ck = Ck-pat

- break the for-loop

• Return Ck



■ Input: pattern pat, all count information, and a threshold minp

■ Output: true if pat is a qualified m-pattern; otherwise false.

Algorithm

• For each a in pat

ightharpoonup = Count(pat)/Count(a)

• if prob < minp

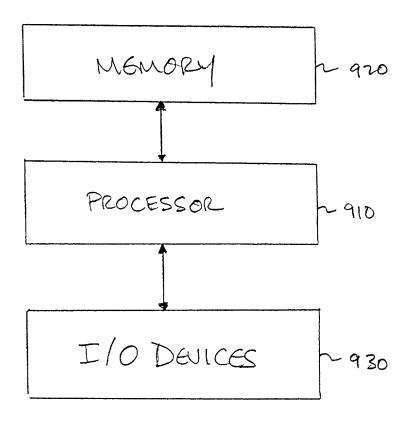
return false

• Return true

■ This algorithm is O(k)

FIG. 8B

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